

ISS

Intelligent Surveillance System

User Manual

Statement:

- Contents in this manual may be different from the edition that you are using. There may be technical inaccuracies, or typographical errors in the manual.
- Should any unsolved problem occur given that the product is used according to this manual, please contact our technical support department or your product suppliers.
- The content of this manual may be updated at irregular intervals without prior notice.

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Chapter 1 Welcome to ISS

1.1 Overview

The ISS (Intelligent Surveillance System) is the client application specially developed for the embedded network monitoring equipment. The client management software is using C/S architecture, and web-based video management platform. The end user use this system to achieve centralized monitoring, storage, data forwarding, management and control for multiple IP Camera and DVR simultaneously in the LAN or Internet environment, and achieve real-time monitoring, recording, snap picture, two-way voice intercom, data backup, search and playback, remote configuration, PTZ control, alarm control and motion detection, etc.

1.2 Main Features

- ✓ Powerful remote management function
- ✓ Monitor 128 channels at most; manage as many as 4096 channels; preview 64 channels of real-time video monitoring at most, and self-select the quality of preview image and screen display mode
- ✓ Different channels in different devices can be organized to the same group for previewing simultaneously
- ✓ Support two-way voice intercom and audio switch
- ✓ Support electronic amplification, real-time snap picture, color adjustment and other functions in live preview (ISS didn't do electronic amplification temporarily)
- ✓ local store video and audio for real-time preview
- ✓ Support configure snap picture and local record
- ✓ Support dwell configuration for real-time preview (ISS didn't do it temporarily)
- ✓ Support real-time display alarm status of device
- ✓ Support various PTZ protocols and PTZ control
- ✓ Support search and playback in local and remote mode (ISS didn't do

local playback temporarily)

- ✓ Support basic playback control, snap picture, fixed-point play, electronic amplification, switching audio, multi-channel comparison and other function when playback (ISS didn't do electronic amplification temporarily)
- ✓ Support remote backup (backup into AVI files)
- ✓ Support remote reboot, remote online upgrade, remote modify parameters, remotely modify the boot LOGO, remote import and export data, remote access to state information, etc (ISS didn't do remote reboot, remote online upgrade and modify LOGO temporarily)
- ✓ Support customize user permissions to view the configuration log, operation log, alarm log and export saved
- ✓ Record modes: Manual, Schedule, Motion detection and Sensor alarm recording
- ✓ Support video cloud function (ISS didn't do it temporarily)
- ✓ Configurable SMTP, DDNS, PPPoE dial-up for devices.

1.3 Computer Disposition Request

Operating System: Microsoft Windows XP/ Windows 7;

CPU: Intel Pentium IV 3.0 GHz or models above;

RAM: 1G or above;

Video card: Graphics card is required, and support DirectX 9.0 or above;

Audio card: Essential to voice monitoring or two-way voice intercom;

1.4 Audience

End users, retailers, professional users and ordinary civilian users, etc.

1.5 Convention

Conventions are as follows in this manual:


- Intelligent Surveillance System referred to as ISS
- IP Camera、DVR are all referred to as device

- Click refers to left click mouse; double click refers to double left click the mouse; right click refers to right click mouse
- Some pictures in this manual is a diagram for reference only, if the picture does not match with the real interface of the software, please make the real interface as the standard

Chapter 2 Installation Guide

2.1 Install the Software

ISS software can be installed step by step according to the tips. Here are the specific installation steps:

- 1) Insert the installation disc (support XP and WIN7 system), or copy the ISS installation package to PC, find the setup program  ISS Install
TODO: <File description>
TODO: <Company name>, double click it to enter the ISS Setup Wizard, click "Next" button; refer to Fig 2-1:
- 2) Select installation path and type, user can click "Browse" button to change the installation path, then click "Next" button; refer to Fig 2-2:

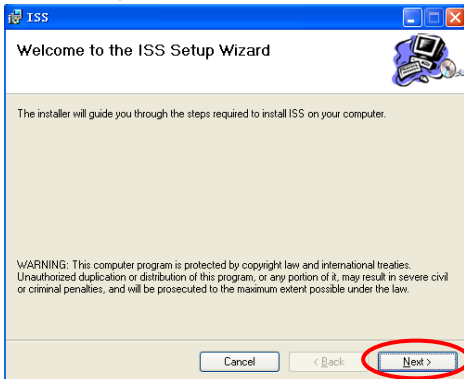


Fig 2-1 ISS Setup Wizard

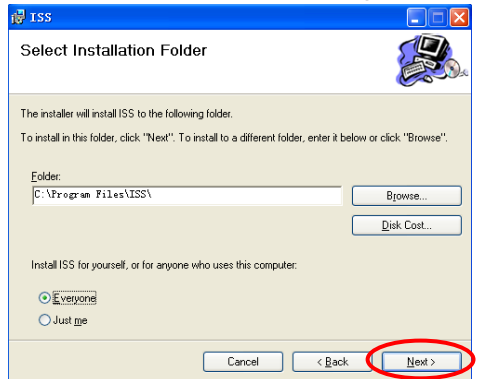


Fig 2-2 Select Installation Path

- 3) Click "Next" button in the pop-up window; refer to Fig 2-3:
- 4) The process bar shows the progress of installation. After installation is complete, the pop-up window shown in Fig 2-4, click "Close" button to exit.

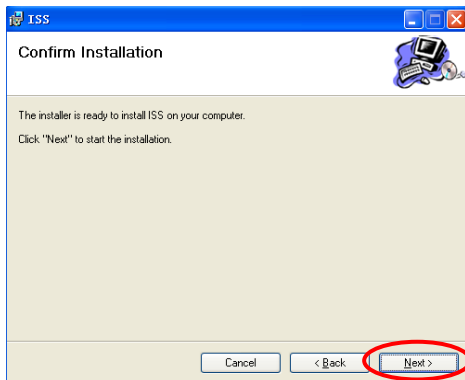


Fig 2-3 Confirm Installation

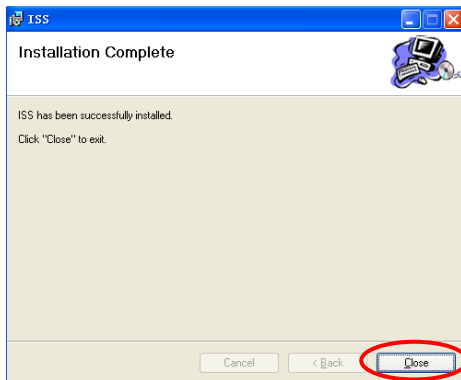



Fig 2-4 Installation Complete

ISS shortcut  appears on the user's PC desktop; double-click this shortcut to enter the user login interface.

2.2 Uninstall Software

- 1) Go to Start Menu, select "All programs" → "ISS" → click "Uninstall ISS"; refer to Fig 2-5:



Fig 2-5 Uninstall ISS

- 2) Or go to Start Menu → "Control Panel" → "Increase / Remove Programs" → "ISS" → click "delete" button;
- 3) Pop-up a dialog box, click "Yes" button.
- 4) When uninstall completed, progress window disappears automatically, and ISS shortcut does not exist in the PC desktop.

Note: If user has installed a different version of ISS, please uninstall the previous version and delete the installation directory, and then start the installation.

2.3 Software Recovery

Reason 1: The software is improperly deleted or modified.

- 1) Running the ISS to pop-up the window shown in Fig 2-8, the program is repairing automatically. After completion of the software recovery, the user login dialog box pops up.

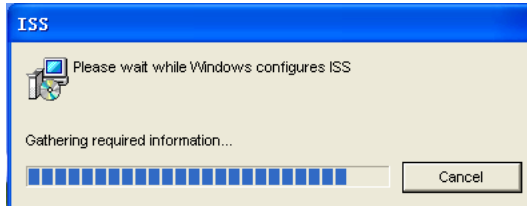


Fig 2-8


- 2) Or open the installation package, double-click  icon to pop-up the interface shown in Fig 2-9, and then click "install" button.



Fig 2-9

- 3) Enter into the ISS Setup wizard; refer to Fig 2-10. Select "Repair ISS" and click "Finish" button to recover software; select "Remove ISS" to remove software.

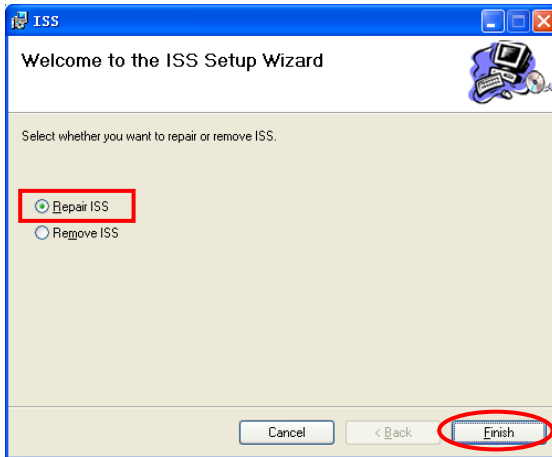


Fig 2-10

- 4) After software recovery is complete, the pop-up window shown in Fig 2-11, click "Close" button to exit.

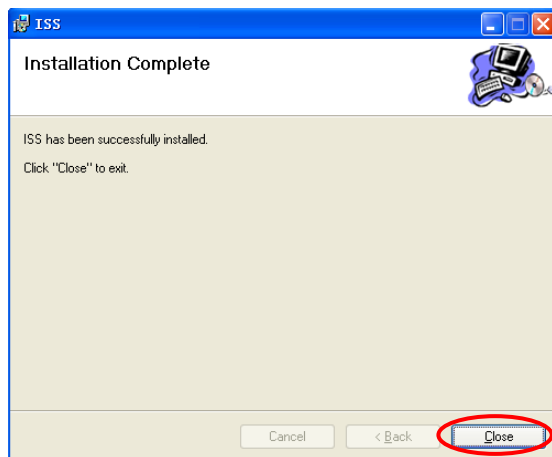



Fig 2-11

Reason 2: The computer is not installed Microsoft.net.

- 1) Uninstall ISS. The uninstall steps can refer to Chapter 2.2 software uninstall.
- 2) Open the installation package, double-click  icon to pop-up the ISS Setup interface shown in Fig 2-12. Program has searched the .net components automatically which computer is not installed.

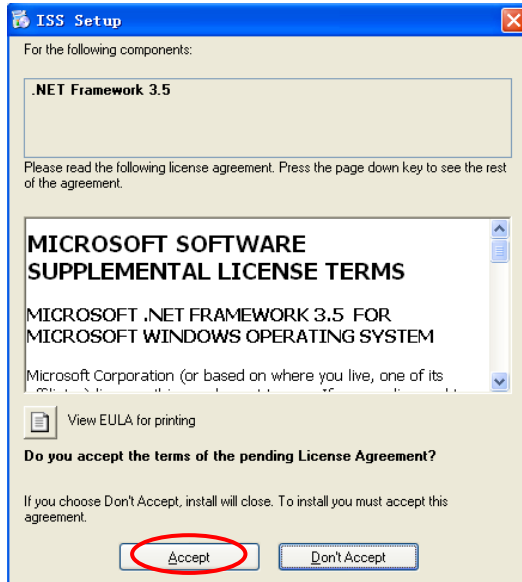


Fig 2-12

- 3) Click "Accept" button to install the program and configure the components.
- 4) ISS Setup Wizard will pop-up automatically after the configuration is successful; refer to Fig 2-13:



Fig 2-13

- 5) Click "Next" button to continue setup. The following steps of installation can refer to Chapter 2.1 software installation→ step 2 to step 5.

Chapter 3 Operation and Config

3.1 User Login

When user double-click the ISS shortcut on the desktop or select the ISS in the start menu to run the client program, the user login dialog box pops up, as shown in Fig 3-1:

Language: Select the system language of ISS, including Simplified Chinese and English;

User: Input the user name. The default user name is “admin”;

Password: Input the password. The default password is blank;

Input user name and password, and then click “Login” button to enter the ISS client; click "Exit" button to cancel login.

Click ☐ Remember Password to automatically save the user name and password, then user does not need to input them again for future login.

Note: *If the user name or password is incorrect, the warning dialog will pop up.*



Fig 3-1 User Login

3.2 Control Panel

3.2.1 Interface Introduction

The interface of control panel is described as follows:

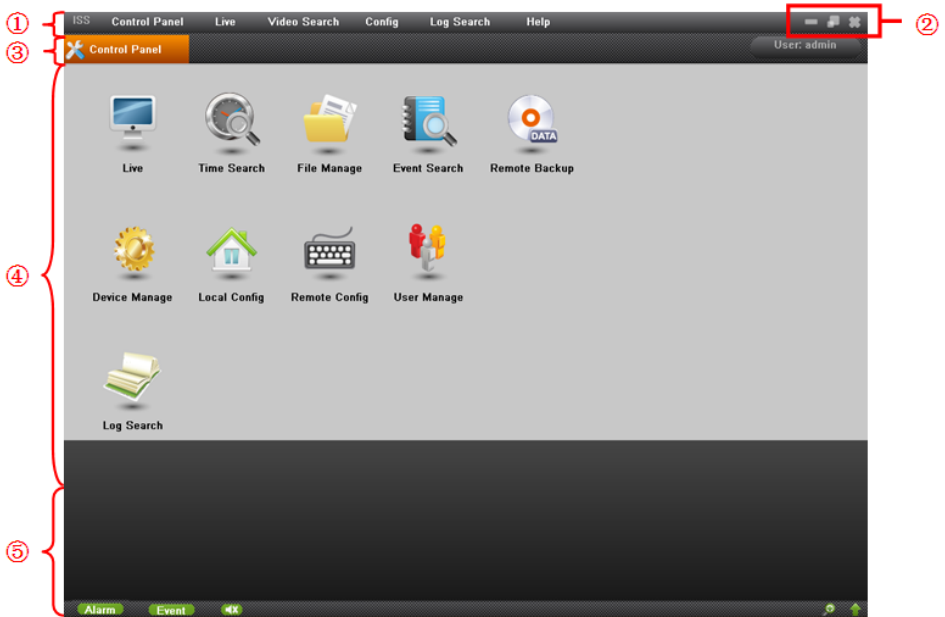


Fig 3-2 control panel interface

① Menu Bar

The menu bar includes all functional modules of the software, including control panel, live, video search, config, log search and help.

② Toolbar



: Minimize button






: Maximize button



: Exit button

③ Tab Bar

- After selecting any function module in the menu bar, they will be added to the tab bar. User can view and switch between multiple functional tabs.
- The tab of control panel is opened by default after landing; it is always at the first label.
- The current tab is displayed in orange, non-current labels display in black and gray.
- When user opens more than five tabs,  button appears to the right of the tab bar. Click  button to open the drop-down menu, user can switch to already open tabs.

- When the mouse points to the upper right corner of label, there will appear  button, click this button to close label.

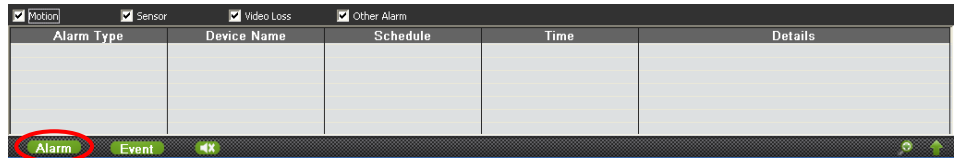
④ Functional Area

User can enter the system functions and configuration through control panel. The control panel includes 10 common functions, including Live, Time Search, File Manage, Event Search, Remote Backup, etc.

⑤ Alarm Info Area

3.2.2 Alarm and Event

1) Click "Alarm" button to pop up alarm information list; refer to Fig 3-3:

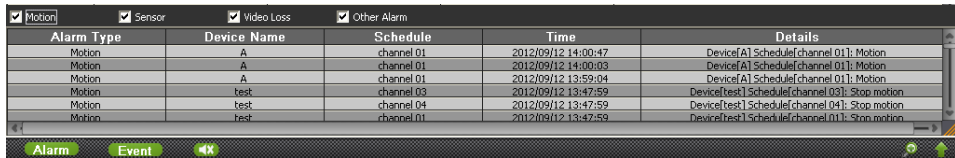


Alarm Type	Device Name	Schedule	Time	Details

Fig 3-3 Alarm information list

User can select the alarm type, including motion detection, sensor alarm, video loss, and other alarm.

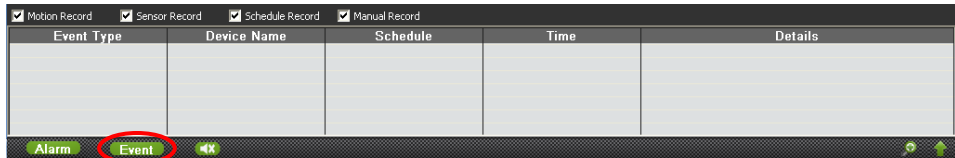
When enabled alarm and triggered an alarm, a small icon will be displayed on the preview area, and the alarm list shows the alarm information of equipment. As shown below:



Alarm Type	Device Name	Schedule	Time	Details
Motion	A	channel 01	2012/09/12 14:00:47	Device[A] Schedule[channel 01]: Motion
Motion	A	channel 01	2012/09/12 14:00:03	Device[A] Schedule[channel 01]: Motion
Motion	A	channel 01	2012/09/12 13:59:04	Device[A] Schedule[channel 01]: Motion
Motion	test	channel 03	2012/09/12 13:47:59	Device[test] Schedule[channel 03]: Stop motion
Motion	test	channel 04	2012/09/12 13:47:59	Device[test] Schedule[channel 04]: Stop motion
Motion	test	channel 01	2012/09/12 13:47:59	Device[test] Schedule[channel 01]: Stop motion

Fig 3-4

2) Click "Event" button to pop up event information list; refer to Fig 3-5:



Event Type	Device Name	Schedule	Time	Details

Fig 3-5 event information list




The list shows the record information of equipment. User can select the record type, including motion record, sensor record, schedule record, and manual record.

<input checked="" type="checkbox"/> Motion Record <input checked="" type="checkbox"/> Sensor Record <input checked="" type="checkbox"/> Schedule Record <input checked="" type="checkbox"/> Manual Record				
Event Type	Device Name	Schedule	Time	Details
Manual Record	A	channel 01	2012/09/12 14:01:29	Device[A] Schedule[channel 01]: Start Record
Motion Record	A	channel 01	2012/09/12 14:01:29	Device[A] Schedule[channel 01]: Start Record
Manual Record	A	channel 01	2012/09/12 14:00:46	Device[A] Schedule[channel 01]: Start Record
Motion Record	A	channel 01	2012/09/12 14:00:46	Device[A] Schedule[channel 01]: Start Record
Manual Record	A	channel 01	2012/09/12 14:00:03	Device[A] Schedule[channel 01]: Start Record
Motion Record	A	channel 01	2012/09/12 14:00:03	Device[A] Schedule[channel 01]: Start Record

Fig 3-6

The meaning of other buttons in the interface as shown in Table 3-1:

Table 3-1

Button	Meaning
	Audio switch, and set the volume
	Click this button to display more alarm information, click again to hide the list.
	Switching list display mode

Note: *Layout and function of Menu Bar, Toolbar, Tab Bar and Alarm Info Area is the same as other tabs.*

3.3 Device Manage

Config includes four submenus: device manage, local config, remote config and user manage.

Click “Config” to enter the configure mode, and then click “Device Manage” to manage the device; refer to Fig 3-7:

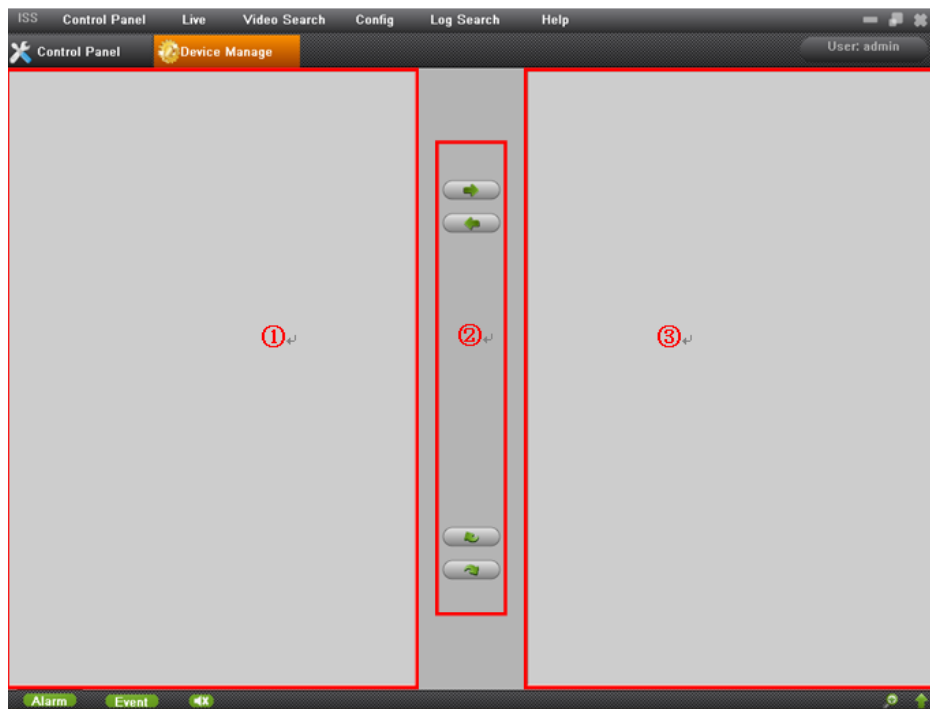


Fig 3-7 device manage interface

① List area

② Configuration buttons



Add the channel to group button



Remove the channel from group button



Import device info button



Export device info button

User can export the device information into PC as a local file for backup function, or import device information from PC to the ISS system.

③ Group area

3.3.1 Adding Area and Device

Note: Before any operations, you need to add device and configure it.

Step1: right click list area, select “Add Area” from the menu to enter the Add Area dialog box, as shown in the following figure:

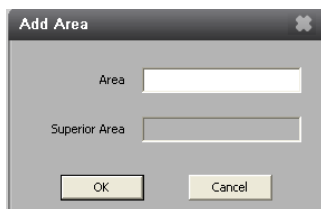


Fig 3-8

Step2: enter the area name (such as “Monitor area”) and then click “OK” to save the settings. The new area will be displayed in the list area.

Step3: right click the area name icon and select “Add Device” to enter the Add Device dialog box, as shown in the following figure:

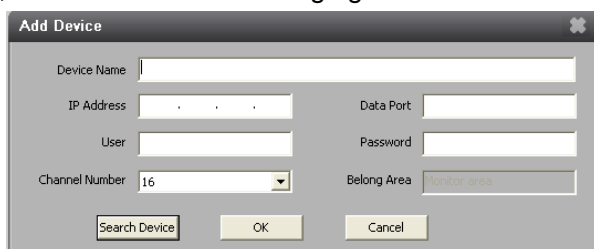
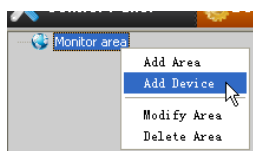


Fig 3-9

Step4: enter the information of device to be added, click “OK” button to finish adding device, the new device will be displayed in the area. The description of each option is as shown in Table 3-2:

Note: Multiple devices can be added to an area.

Table 3-2

Options	Description
Device Name	Name of the device; user-defined
IP Address	IP address of the device
Data Port	Device port
User	User name of the device
Password	Password of the device
Channel Number	The channel number of the device
Belong Area	Display the area to which the current device belongs; gray meanings disabled

Step5: user can also add device by searching device.

Click “Search Device” button of Add Device dialog box to search device online. The searched device will be displayed in the list, as shown below.

Select the device you want to add, and click OK button to return to the Add Device interface, enter the information and click OK button to finish adding device.

No.	IP Address
1	192.168.1.236
2	192.168.1.235
3	192.168.1.214

Device Name:

IP Address:

Submask:



Gateway:

Data Port:

Mac Address:

OK Cancel

Fig 3-10

Note: Click  in front of the area name or device name, or double-click the name to expand the list. Click  or double-click the name again to put away the list.

3.3.2 Area Configuration

Add sub-area: right click the area name and select “Add Area” to add a sub-area; the sub-area may also add sub-area.

Modify area: right click the area name and select “Modify Area” to modify the area name;

Delete area: right click the area name and select “Delete Area” to delete the area.

Note: when the device in the area is being previewed, the device and the area belonged to cannot be deleted.

3.3.3 Device Configuration

Modify device: right click the device name and select “Modify Device” to modify the device information. The name of sibling area cannot be repeated.

Delete device: right click the device name and select “Delete Device” to delete the device.

Note: when the channel of the device is being previewed, the device and its channel cannot be deleted or modified.

3.3.4 Modify Channel

Right click the channel name and select “Modify Channel” to modify the channel name; double-click the channel name can also enter the Modify Channel interface.

Note: *when the channel or other channel of the device belonged to is being previewed, the channel cannot be modified.*

3.3.5 Group Configuration

Step1: right click group area, select “Add Group” from the menu to enter the Add Group dialog box, as shown in the following figure:



Fig 3-11

Step2: input the group name and click “OK”. The new group will be displayed in the group area.


Step3: right click group area or group name, select “Add Group” to add other new channels.

Right click the group name and select “Modify Group” to modify the group name.

Right click the group name and select “Delete Group” to delete the selected group.

3.3.6 Group Channel Configuration

After adding the group, the channels in the list area can be moved to the selected group.

Add Channel: select the channel from the list area, and click  button to move it to the selected group. As shown below:

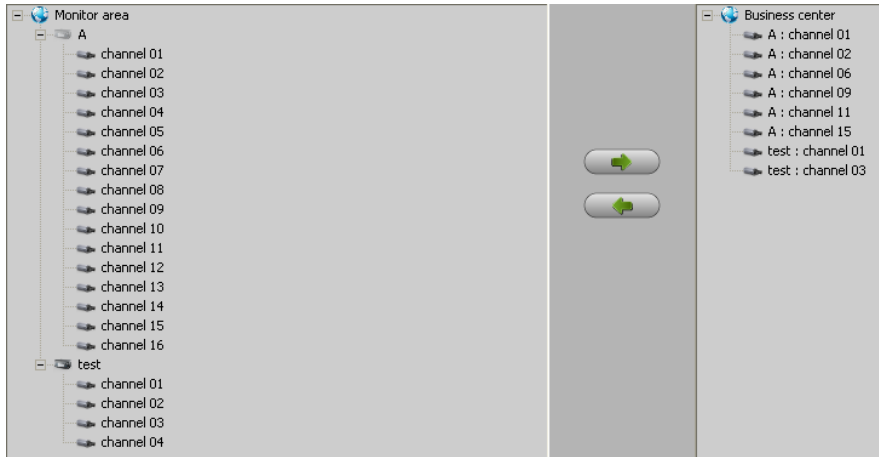



Fig 3-12

Delete Channel: select the channel from the group area, and click  button to remove it from group; or right click channel name in the group area, select “Delete Channel” from the menu to delete the channel.

Note: One channel can be added to different groups, yet one group cannot add the same channel repeatedly. As shown on the right:

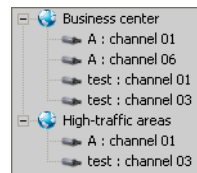


Fig 3-13

Note: The total number of channels supported by the ISS is 4096. The number of device’s channels is the number can be added to each group. Only the channel of devices can be added to group, and a group can be assigned up to 4096 channels.

Note: when the channel of group is being previewed, the group and its channels cannot be added, deleted and modified.

3.4 Local Config

Click “Config” to enter the configure mode, and then click “Local Config”; refer to Fig 3-14:

In this interface, user can setup the save path of local snap, data backup and local record, setup the packing time of local record and the hold time of log.

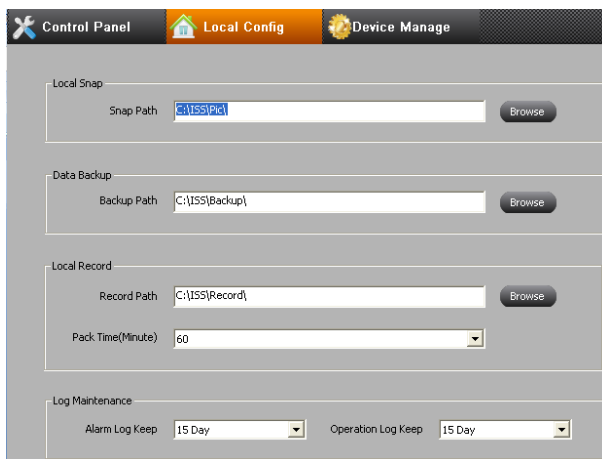


Fig 3-14 Local config interface

3.5 Remote Config

Click “Config” to enter the configure mode, and then click “Remote Config”. Double-click the device needs to be configured in the list area. Remote configuration subject to the specific product, the following is an example to remotely configure DVR, the interface as shown in Fig 3-15:

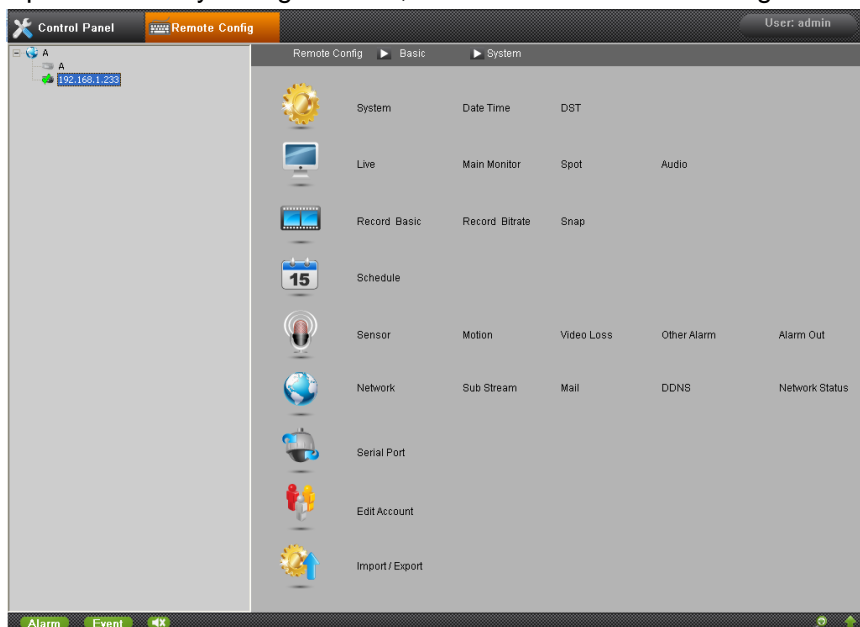





Fig 3-15 Remote config interface

The interface lists all actionable items of remote configuration; user can click item into the relevant configuration. User can also select those items by clicking  button of **Remote Config**  **Basic**  **System**; click “Remote Config” to return to the interface of Figure 3-15.

Note: The user who has the authority of remote configuration double-clicks the device in order to enter the main interface of remote configuration, otherwise it will prompt this user has not operating authority.

“Remote Config” includes nine submenus: Basic, Live, Record, Schedule, Alarm, Network, P.T.Z, Account and Advanced.

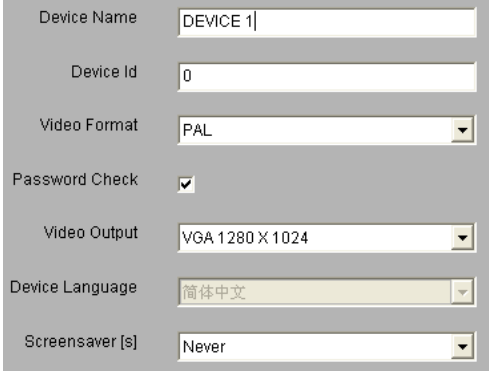
3.5.1 Basic Configuration

Basic configuration includes three submenus: system, date time and DST.

3.5.1.1 System

Enter into “Config”→Remote Config→basic configuration→system; refer to Fig 3-16.

In this interface user can setup the device name, device ID, video format, password check, video output and so on.



Device Name	DEVICE 1
Device Id	0
Video Format	PAL
Password Check	<input checked="" type="checkbox"/>
Video Output	VGA 1280 X 1024
Device Language	简体中文
Screensaver [s]	Never

Fig 3-16 system configuration

The definitions for every parameters display as below:

Device name/ID: the name/ID of the device. It may display on the client end that help user to recognize the device remotely.

Video format: two modes: PAL and NTSC. User can select the video format according to that of camera.

Password check: enable this option. User needs to input user name and password for authentication on the device.

Video output: the resolution of live display interface, range from: CVBS, VGA800*600, VGA1024*768, VGA1280*1024 and HDMI.

Device Language: setup the menu language. Here is disabled.

Screensaver: setup the screensaver interval time (30/60/180/300s). If there is no any operation within the setting period, the device will exit the OSD menu automatically. There will have image showing when logout.

Click “Default” button to resort default setting; click “Apply” button to save the setting.

When leaving the interface within the user changed the setting and not saved, a warning dialog box will pop up, as shown on the right:

Click "OK" button to save the setting; click "Cancel" button to exit the current interface.

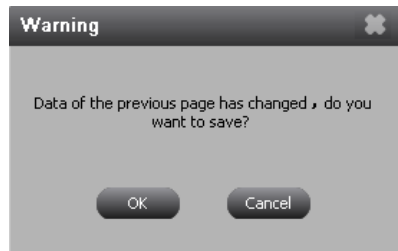


Fig 3-17

3.5.1.2 Date & Time

Step1: enter into “Config”→Remote Config→basic configuration→ Date Time; refer to Fig 3-18:

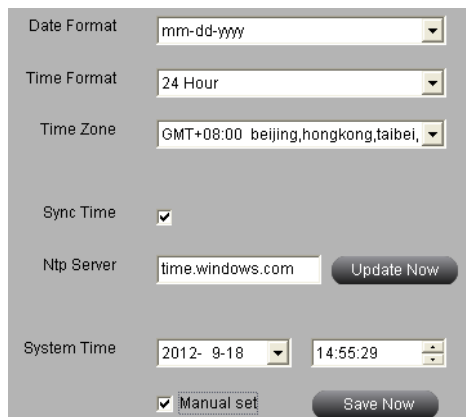
A configuration window for Date & Time. It has a light gray background. Fields include: "Date Format" with a dropdown menu showing "mm-dd-yyyy"; "Time Format" with a dropdown menu showing "24 Hour"; "Time Zone" with a dropdown menu showing "GMT+08:00 beijing,hongkong,taipei"; "Sync Time" with a checked checkbox; "Ntp Server" with a text input field containing "time.windows.com" and an "Update Now" button; "System Time" with two dropdown menus showing "2012- 9-18" and "14:55:29"; and a "Manual set" checkbox which is checked. A "Save Now" button is at the bottom right.

Fig 3-18 Date & Time configuration

Step2: set the date format, time format, time zone in this interface, enable “Manual set” to setup device time; user also can enable “sync time” to synchronize device time with NTP server.

Step3: Click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.1.3 DST

Step1: enter into “Config”→Remote Config→basic configuration→ DST; refer to Fig 3-19:

The figure displays two versions of the DST configuration interface. Both interfaces have a 'DstEnable' checkbox checked and a 'Time Offset[h]' dropdown set to '1'. The left interface is in 'Week' mode, showing 'Start' as 'Jan The 1st' and 'Until' as 'Sun 0:00:00'. The right interface is in 'Date' mode, showing 'Start' as '2008- 2- 1' and 'Until' as '0:00:00'.

Fig 3-19 DST configuration

Step2: in this interface, enable daylight saving time, setup time offset, mode, start & end month/week/date, etc.

Step3: Click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.2 Live Configuration

Live configuration includes four submenus: live, main monitor, spot and audio.



3.5.2.1 Live

Step1: enter into “Config”→Remote Config→live configuration→live; refer to Fig 3-20:

Step2: click Camera Name to self-define the camera name.

Step3: tick off “Show Name” to display camera name in preview; tick off “Display Records Status” to appear an icon in the preview screen when manual recording or trigger recording.

channel number of the connected device.

Step3: setup current picture group. Click  button to setup the previous channel groups of dwell picture, click  button to setup the latter channel groups of dwell picture.

Step4: dwell time: the time interval for a certain dwell picture display switching to next dwell picture display.

Step5: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.2.3 Spot

Step1: enter into “Config”→Remote Config→live configuration→ spot; refer to Fig 3-22:

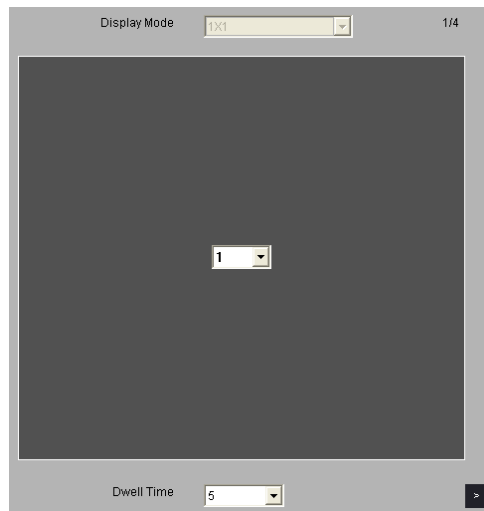




Fig 3-22 spot configuration

Step2: select display mode and channel.

Step3: setup current picture group. Click  button to setup the previous channel groups of dwell picture, click  button to setup the latter channel groups of dwell picture.

Step4: dwell time: the time interval for a certain dwell picture display switching to next dwell picture display.

Step5: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.2.4 Audio

Step1: enter into “Config”→Remote Config→live configuration→audio.

Step2: user can set the volume of each channel.

Step3: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.3 Record Configuration

Record configuration includes three submenus: record basic, record bitrate and snap.

3.5.3.1 Record Basic

Step1: enter into “Config”→Remote Config→record configuration→record basic; refer to Fig 3-23:

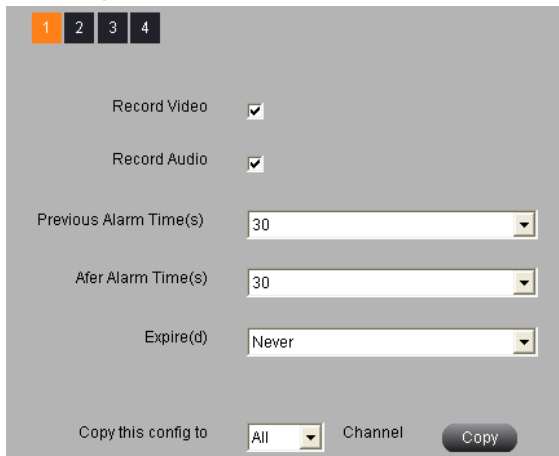


Fig 3-23 record basic configuration

Step2: tick off record video and audio for each channel. The number keys at the top left show the device channel number; it is relate to the device model. This figure takes the 4ch device for example.

The definitions for every parameters display as below:

Record Video: record switch of every channel.

Record Audio: enable live record audio.

Previous Alarm Time: set the record time before event happen i.e. record time before motion detection or sensor alarm is triggered. Six options: 5s, 10s, 15s, 20s, 25s, 30s.

After Alarm Time: set the post recording time after the alarm is finished. Eight options: 10s, 15s, 20s, 30s, 60s, 120s, 180s and 300s.

Expire: the hold time of saved records. If the set date is overdue, the record files will be deleted automatically.

Step3: recording configuration can be copied to the other channel. Select "Copy this config to" to the channel or "All" which set as the same settings, click "Copy" button.

Step4: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.3.2 Record Bitrate

Step1: enter into “Config”→Remote Config→record configuration→record bitrate; refer to Fig 3-24:

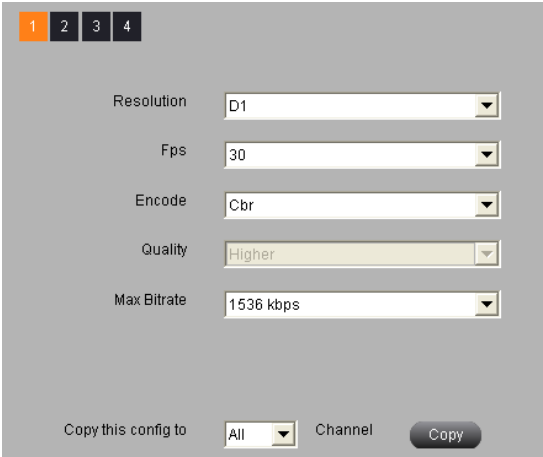


Fig 3-24 record bitrate configuration

Step2: setup resolution, fps, quality, encode and bitrate. The number keys at the top left show the device channel number; it is relate to the device model. This figure takes the 4ch device for example.

The meaning of each option is as shown in Table 3-3:

Table 3-3

Parameter	Meaning
Resolution	The range of options: synchronize with configured device
Fps	Range from 1-30（NTSC）or 1-25(PAL) (Resolution and frame rate are determined by the parameter specifications of specific type)
Encode	Two options: VBR and CBR

Quality	The higher the grade is, the clearer the recorded image is. Six grades: lowest, lower, low, medium, higher and highest. The default is higher grade.
Max Bitrate	The range of options: synchronize with configured device

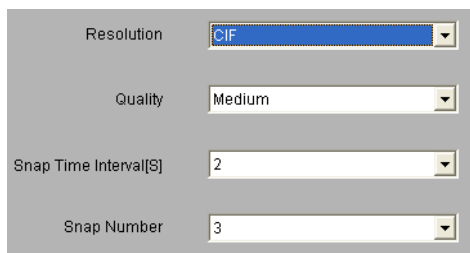
Step3: bitrate configuration can be copied to the other channel. Select "Copy this config to" to the channel or "All" which set as the same settings, click "Copy" button.

Step4: click "Default" button to resort default setting; click "Apply" button to save the setting.

Note: *If the rate value set is over high the maximum resources of the device, the value will be adjusted automatically.*

3.5.3.3 Snap

Step1: enter into "Config"→Remote Config→record configuration→snap; refer to Fig 3-25:



The screenshot shows a configuration window with four settings, each with a dropdown arrow on the right:

- Resolution: CIF
- Quality: Medium
- Snap Time Interval[S]: 2
- Snap Number: 3

Fig 3-25 snap configuration

Step2: In this interface, user can set the resolution and quality of snap pictures, and set the snap time interval and snap number.

Step3: click "Default" button to resort default setting; click "Apply" button to save the setting.

3.5.4 Schedule

3.5.4.1 Schedule Record

Step1: enter into "Config"→Remote Config→ schedule → schedule; refer to Fig 3-26:

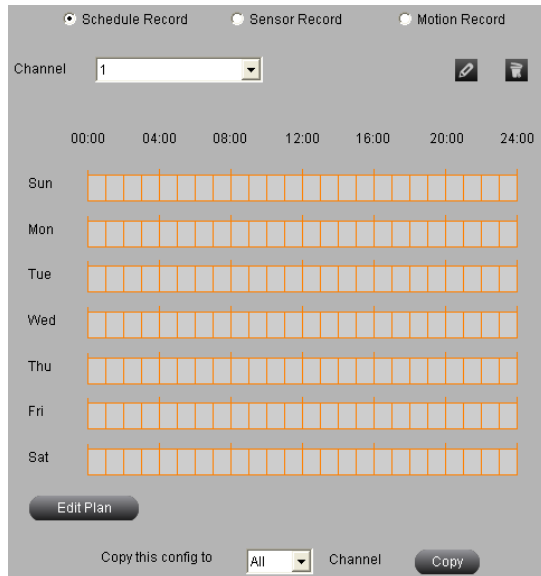




Fig 3-26 schedule configuration

The row means the seven days of a week from Monday to Sunday; the column means 24 hours of a day.

Step2: select channel; click  button, press and drag the left mouse button in the grid area to add the time period of schedule; click  button, press and drag the left mouse button to delete added time period. Blue means checked area, gray means unchecked area. As shown below:

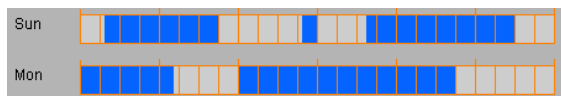



Fig 3-27

Step3: click “Edit Plan” button to pop-up a dialog box, user can edit week schedule; refer to Fig 3-28:

④ Select a plan in the week schedule list, click delete  button to delete the selected schedule of list.

⑤ Click “OK” button to save the setting, click “Cancel” button to exit current interface.

Step4: schedule configuration can be copied to the other date. Select "Copy this config to" to the date or "All" which set as the same settings, click "Copy" button.

Step5: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.4.2 Sensor Record

Change the record type to sensor alarm record; the setup steps of sensor are familiar with schedule; user can refer to Chapter 3.5.4.1 Schedule for details.

Note: *The default schedule of sensor alarm is full-selected, that is, the color of schedule setting interface is blue.*

3.5.4.3 Motion Record

Change the record type to motion detection record; the setup steps of motion are familiar with schedule; user can refer to Chapter 3.5.4.1 Schedule for details.

Note: *The default schedule of motion detection is full-selected, that is, the color of schedule setting interface is blue.*

3.5.5 Alarm Configuration

Alarm configuration includes five submenus: sensor, motion, video loss, other alarm and alarm out.

3.5.5.1 Sensor

Step1: enter into “Config”→Remote Config→ alarm configuration → sensor; refer to Fig 3-30:

Fig 3-30 sensor alarm configuration

The number keys at the top left show the device channel number; it is relate to the device model. This figure takes the 8ch device for example.

Step2: enable sensor alarm and set the alarm device type according to triggered alarm type. Two options: Normal Open and Normal Close.

Step3: select alarm delay time: 5/10/20/30/60/120s. Click alarm device name to self-define the device name.

Step4: click “Edit” button of alarm treatment to enter the alarm handling interface.

The definitions for every parameters display as below:

Buzzer Alarm: after selecting Buzzer Alarm, there will be triggered the buzzer buzzing;

Show Full Screen: when triggered alarm, there will pop up full screen alarm;

Send Mail: tick of this function. When an alarm is trigged, a notification email will be sent to user’s designed email box including trigger events, time, snap pictures, device name, ID, camera name etc.

To Alarm Out: when selecting the channel, there will be triggered alarm out in the designated channel.

To Snap: select channels. When an alarm is triggered, the device will snap the image of the selected channel. If user tick off Email function, these pictures will also be sent to user’s designed email box.

To Record: tick off recoding channels. When an alarm is triggered, the device will record the camera of the selected channel.

To PTZ: set the action type of linkage PTZ for linkage alarm.

Click Back button to exit the current interface.

Step5: sensor alarm configuration can be copied to the other channel. Select "Copy this config to" to the channel or "All" which set as the same settings, click "Copy" button.

Step6: click "Default" button to resort default setting; click "Apply" button to save the setting.

3.5.5.2 Motion

Step1: enter into "Config" → Remote Config → alarm configuration → Motion; refer to Fig 3-31:

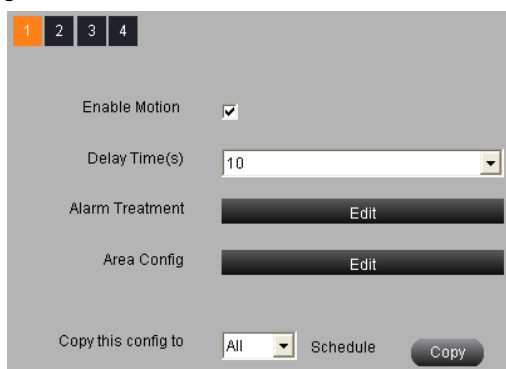


Fig 3-31 motion detection configuration

The number keys at the top left show the device channel number; it is relate to the device model. This figure takes the 4ch device for example.

Step2: enable motion alarm and set alarm delay time which means time interval between two adjacent detective motions.



If there is other motion detected during the interval period which is considered continuous movement; otherwise, it will be considered that those two adjacent detective motions are two different motion events.

Step3: click "Edit" button of alarm treatment to enter the alarm handling interface. The setup steps of motion trigger are familiar with sensor alarm; user can refer to Chapter 3.5.5.1 Sensor → Step4 for more details.

Step4: click "Edit" button of area config to enter the motion area interface.

In the area setting interface, user can drag slide bar to set the sensitivity value. The higher the value is, the higher sensitivity you get. Due to the

sensitivity is influenced by color and time (day or night), user can adjust its value according to the practical conditions.

Click  button, then press and drag the left mouse button to set detection area; yellow coverage means selected area. Click  button, then press and drag the left mouse button to delete detection area. Click “Clear” button to clear all set detection area, click “Save” button to save the setting, click “Back” button to exit current interface.

Step5: motion detection configuration can be copied to the other channel. Select "Copy this config to" to the channel or "All" which set as the same settings, click "Copy" button.

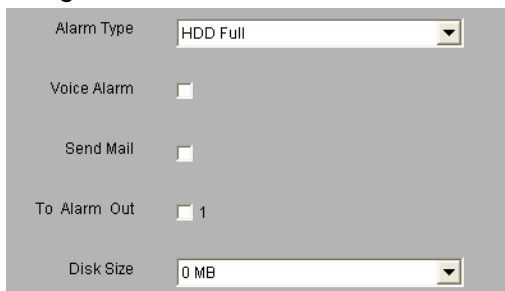
Step6: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.5.3 Video Loss

Enter into “Config” → Remote Config → alarm configuration → Video loss. The setup steps are similar to the sensor alarm; user can refer to Chapter 3.5.5.1 Sensor for more details.

3.5.5.4 Other Alarm

Step1: enter into “Config” → Remote Config → alarm configuration → other alarm; refer to Fig 3-32:



Alarm Type	HDD Full
Voice Alarm	<input type="checkbox"/>
Send Mail	<input type="checkbox"/>
To Alarm Out	<input type="checkbox"/> 1
Disk Size	0 MB

Fig 3-32 other alarm configuration

Step2: use the dropdown menu to select the type of the alarm event. This tab gives a choice to configure alarm for HDD Full, IP Address Conflict or Network Unconnected.

Step3: check the required trigger options.

Note: *If the selected alarm type is “HDD Full”, then use the “Disk Size” to choose a threshold value for remaining HDD space. If the threshold value is reached, the system will trigger the Disk Full Alarm.*

Step4: Click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.5.5 Alarm Out

Step1: enter into “Config” → Remote Config → alarm configuration → alarm out; refer to Fig 3-33:

	Alarm Out Name	Delay Time(s)
1	ALARM OUT 1	10
2		
3		
4		
All	<input type="checkbox"/>	5

Voice Alarm

☒

Delay Time(s)

10

Fig 3-33 alarm out configuration

Step2: in this interface, user can self-define the alarm out name, select delay time which means the duration of alarm output. The number of alarm output is determined by device model.

Step3: user can also setup all alarm out with same parameters. Tick off “All” to do relevant setup.

Step4: tick off “Voice Alarm” and select delay time, the alarm output will trigger an audible alarm.

Step5: Click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.6 Network Configuration

Network configuration includes five submenus: network, sub stream, DDNS, mail and network status.

3.5.6.1 Network

Step1: enter into “Config” → Remote Config → network configuration → network; refer to Fig 3-34:

Http Port	80
Server Port	5000
Use DHCP	<input checked="" type="checkbox"/>
Ip Address	192 . 168 . 1 . 100
Submask	255 . 255 . 255 . 0
Gateway	192 . 168 . 1 . 1
1st DNS Server	192 . 168 . 2 . 1
2nd DNS Server	202 . 188 . 1 . 5
Use PPPoE	<input type="checkbox"/>
PPPoE Username	
PPPoE Password	

Fig 3-34 network configuration

Step2: User can set the HTTP port and server port; after selecting “Use DHCP”, the device will distribute IP address, subnet mask, DNS server and gateway.

Step3: enable “Use PPPoE” and input the user name and password to directly connect the device to internet via ADSL.

Step4: Click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.6.2 Sub Stream

Step1: enter into “Config” → Remote Config → network configuration → sub stream; refer to Fig 3-35:

Fig 3-35 sub stream configuration

The number keys at the top left show the device channel number; it is relate to the device model. This figure takes the 4ch device for example.

Step2: user can select relevant parameters according to the following table:

Table 3-4

Parameter	Meaning
Resolution	Support CIF
Fps	The range of options: synchronize with configured device
Encode	Two options: VBR and CBR
Quality	The higher the grade is, the clearer the image is. Six grades: lowest, lower, low, medium, higher and highest. The default is higher grade.
Max Bitrate	The range of options: synchronize with configured device

Step3: sub stream configuration can be copied to the other channel. Select "Copy this config to" to the channel or "All" which set as the same settings, click "Copy" button.

Step4: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.6.3 DDNS

Step1: enter into “Config” → Remote Config → network configuration →

DDNS; refer to Fig 3-36:

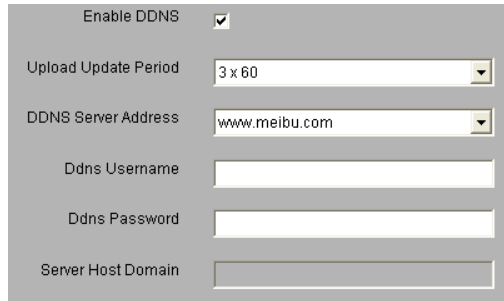
A screenshot of a DDNS configuration interface. It features a grey background with white text and input fields. At the top, 'Enable DDNS' is checked with a checkbox. Below it, 'Upload Update Period' is set to '3 x 60' in a dropdown menu. 'DDNS Server Address' is set to 'www.meibu.com' in a dropdown menu. There are three empty text input fields for 'Ddns Username', 'Ddns Password', and 'Server Host Domain'.

Fig 3-36 DDNS configuration

Step2: enable DDNS server; user needs to input user name and password of the registered website, setup DDNS update period and DDNS server address.

Step3: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.6.4 Mail

Step1: enter into “Config” → Remote Config → network configuration → mail; refer to Fig 3-37:

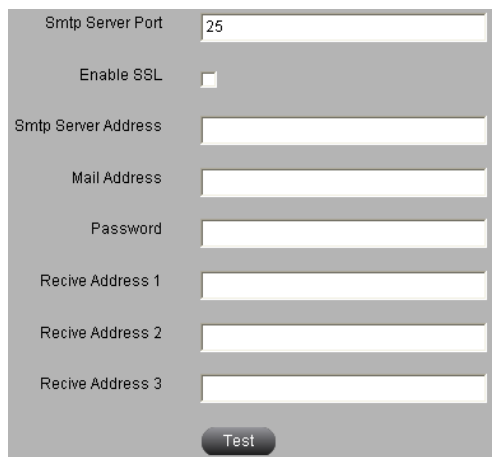
A screenshot of a mail configuration interface. It has a grey background with white text and input fields. The fields are: 'Smtp Server Port' (25), 'Enable SSL' (unchecked checkbox), 'Smtp Server Address' (empty), 'Mail Address' (empty), 'Password' (empty), 'Recive Address 1' (empty), 'Recive Address 2' (empty), and 'Recive Address 3' (empty). At the bottom right is a 'Test' button.

Fig 3-37 mail configuration

Step2: setup relevant parameters. The definitions for every parameters display as below:

SMTP Server Port: the port number of SMTP server. The default value is 25.

Enable SSL: Enable SSL Check which means this server requires a secure connection; user can setup mail servers (such as Gmail) according to actual needs.

Note: *Enable SSL check, the port need to change as “465” and other port.*

SMTP Server Address / Mail Address / Password: sender's SMTP server address/email address/password. For example: server address is smtp.gmail.com, mail address is mailset@gmail.com.

Receive address: receiver's email address. Here user can add three different mail addresses at most. For example: mailset@gmail.com.

Click “Test” button to test the validity of the mailbox.

Step3: click “Default” button to resort default setting; click “Apply” button to save the setting.

3.5.6.5 Network Status

Enter into “Config” → Remote Config → network configuration → network status.

In this interface, user can view the HTTP Port, Server Port, IP Address and other network information.

3.5.7 P.T.Z Configuration

Step1: enter into “Config” → Remote Config → P.T.Z configuration → serial port; refer to Fig 3-38:

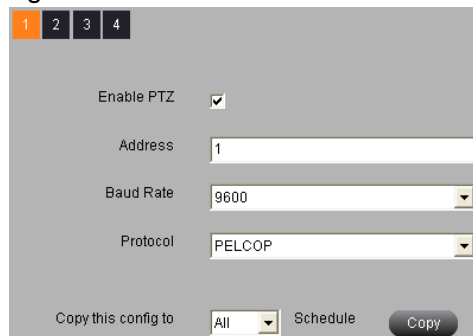
The screenshot shows a configuration window for serial port settings. At the top left, there are four tabs labeled 1, 2, 3, and 4, with tab 1 being the active one. The main area contains the following settings: 'Enable PTZ' is checked with a checkbox; 'Address' is a text input field containing the number '1'; 'Baud Rate' is a dropdown menu currently set to '9600'; and 'Protocol' is a dropdown menu currently set to 'PELCOP'. At the bottom, there is a section for saving the configuration: 'Copy this config to' followed by a dropdown menu set to 'All', a 'Schedule' button, and a 'Copy' button.

Fig 3-38 serial port configuration

The number keys at the top left show the device channel number; it is relate to the device model. This figure takes the 4ch device for example.

Step2: enable P.T.Z control of any channel; setup relevant parameters, the meaning of parameters is shown as table 3-5:

Table 3-5

Parameter	Meaning
Address	The address of the PTZ device.
Baud Rate	Baud rate of the PTZ device: synchronize with configured device
Protocol	Communication protocol of the PTZ device: synchronize with configured device

Step3: serial port configuration can be copied to the other channel. Select "Copy this config to" to the channel or "All" which set as the same settings, click "Copy" button.

Step4: click "Default" button to resort default setting; click "Apply" button to save the setting.

3.5.8 Account Management


Enter into "Config" → Remote Config → Account → edit account; refer to Fig 3-39:

User	Group	Mac Address
admin	Administrator	00-00-00-00-00-00
test	Advance User	00-00-00-00-00-00

Fig 3-39

The interface lists User name, Group and Mac Address of users who can login to the device for operation.

3.5.8.1 Add Account

Step1: click Add  button to enter the edit new user interface; input user name and password; select user type: Advance User or Usual User; enable this account and bind Mac address, input the MAC address of the PC as required.

Step2: assign the operation right for that account.

Step3: click OK button, this user will be added into the account list box; click Exit button to exit the current interface.


Note: *If you set the binding Mac address for the user, only the PC with this Mac address can visit the device through network.*

3.5.8.2 Modify Account

In the account management interface, select a user in the account list,


click Modify  button to modify user type, binding MAC address and operation right.

3.5.8.3 Delete Account

In the account management interface, select a user in the account list and then click Delete  button to delete this account.

Note: *The administrator cannot be modified and deleted.*

3.5.8.4 Modify Password

Step1: select a user in the account list, click change password  button to enter the modify password interface.

Step2: input the old password and a new password, then re-enter the new password to confirm, click OK button to modify the password of this account; click Exit button to exit the current interface.

3.5.9 Advanced

Enter into “Config” → Remote Config → Advanced → import/export.

In this interface, user can set the path of import/export, and import/export device parameters.


3.6 User Manage


Enter into “Config” → User Manage; refer to Fig 3-40:




Fig 3-40 user manage interface

The interface lists the users who can login to ISS for operation. Ordinary users can only modify their own password, only an administrator can add, edit, and delete users, and set permissions for ordinary users.

Click add user  button to input user name and password, click OK button, this user will be added into the user list box; click Cancel button to exit the current interface.

Click edit user  button, if selected administrator, user can modify the user name and password; if selected other users, user can only set the password empty and cannot modify the user name.

Select a user in the user list, to change password.

Select a user in the user list, click delete user  button to delete this user.

Note: The administrator cannot be deleted.


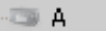
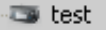












Note: The account in account management can login to the device for operation. The user in user management can login to ISS for operation.

Chapter 4 Software User Guide

4.1 Status Icons

The following table introduces you the status icons and their meanings:

Table 4-1

Icon	Meaning
	Area icon
the icon in the front of device:	
 A	Light gray indicates that the device is not connected or disconnected from the network
 test	Dark gray indicates that the device is connected
the icon in the front of channel:	
 channel 01	Light gray indicates that the preview channel is closed
 channel 01	Light gray indicates that the preview channel is open
 channel 01	Red indicates that the channel is recording
the icon in preview window:	
	Manual record
	Schedule record
	Sensor alarm record
	Motion detection record
	Motion detection
	Sensor alarm
	Video loss
	Open audio
	Open intercom

4.2 Preview

After configuring the device, click “Live” button in menu bar to enter the preview interface, shown in Figure 4-1.

User can monitor 128 channels of real-time video monitoring, preview 64 channels on the screen at most, and PTZ control, color adjustment, etc.

4.2.1 Interface Introduction

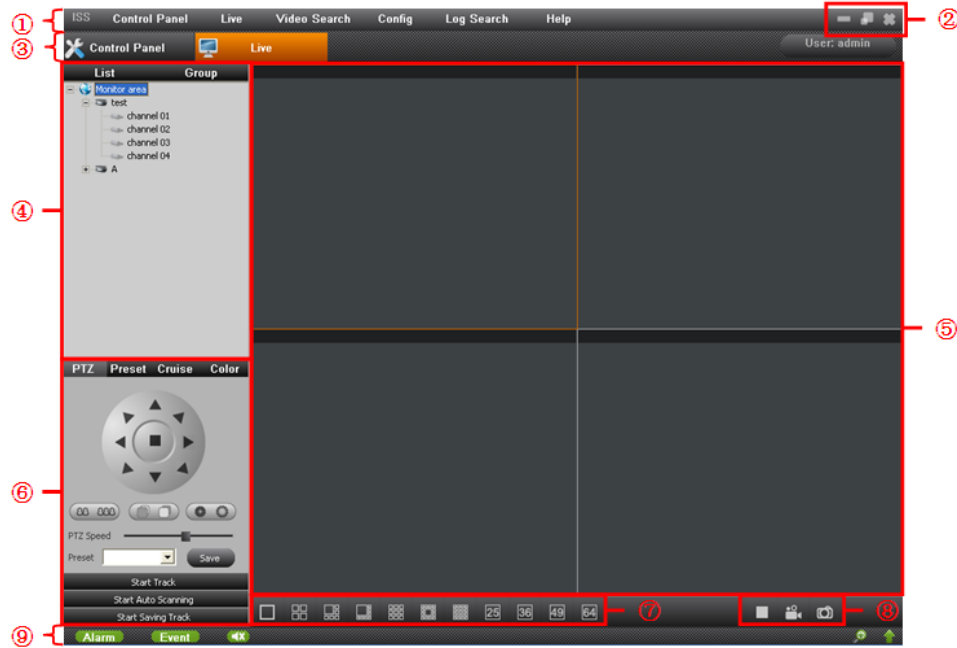


Fig 4-1 live interface

- ① Menu Bar
- ② Toolbar
- ③ Tab Bar
- ④ Device Area

Click “List” and “Group” keys to switch between two modes. The description of modes is shown as table 4-2:

Table 4-2

Mode	Description
List	Display by list
Sort by group	Display by group

- ⑤ Preview Area

The play windows are divided into 2x2 mode by default and up to 64 window divisions can be configured according to screen display mode. Click a window as the currently active window with orange border.

⑥ Control Button Area

The area contains the PTZ control panel and Color adjustment panel. User can refer to Chapter 4.2.5 PTZ control and 4.2.6 Color adjustment.

⑦ Window Division



Fig 4-2

- The preview area can be divided into 1/4/6/8/9/13/16/25/36/49/64 pictures preview mode.
- There is some digital following the window division buttons. The number before "/" meanings the group number of current preview screen in that division mode. The number after "/" meanings the total number of groups in current division mode.
- Press the current division mode button again to switch the preview group.

⑧ Basic Functional Buttons:



Click Close All Preview button to close all view window



Click Start Record button to start manual record, click again to stop manual record.



Click Snap button to manually snap live picture.

⑨ Alarm Info Area

Note: Some functions of live preview are the same as control panel and not repeat them here. User can refer to Chapter 3.2 Control Panel.

4.2.2 Preview Mode

1) Double-click the channel

Click a display window, and then double click the channel in device area or group area to preview the real-time video in the current window.

2) Drag channel

Drag the channel in device area or group area to the play window to preview.

3) Right-click menu

Right-click channel or device in device area or group area, select “Open” in the right-click menu to preview.

4.2.3 Stop Previewing


1) Close preview

Right click in the play window and a pull-down menu will pop up. Click “Close preview” to close the live view.

Or right-click channel or device in device area or group area, select “Close” in the right-click menu to stop previewing.

2) Close all preview

Right click in the play window and a pull-down menu will pop up. Click “Close All preview” to close all live view.

Or click  button to close all live view.

4.2.4 Preview Control

Images can drag to any place to display in the live preview window.

Double-click the live window to amplify the image, double-click again to return to the previous interface.

Live preview interface is shown below:



Fig 4-3 live preview - example diagram

- 1) Right click in the live preview window and a pull-down menu will pop up; refer to Fig 4-4(a):



Fig 4-4(a)

The definitions for every options display as below:

Close Preview: close the live view

Close All Preview: close all live view

Master/Sub Stream: set the channel to master stream or sub stream. The device supports dual stream: master stream and sub-stream. Master stream has higher frame rate, but it needs higher network bandwidth simultaneously; Sub-stream has low frame rate, it requires low network bandwidth. Frame rate of master/sub stream synchronize with configured device.

Open Audio: enable audio preview; right click again and select “Close Voice” to disable audio preview.

Note: *The software only can open voice of one window at the same time. If the voice of the next window is opened then the voice of the previous will be closed automatically.*

Start Record: start manual record of the currently active window, click again to stop manual record.

Full screen: the live preview window will display with full screen and the tool bar will be hided; double click or right click to return.


Note: *Recording and snap picture are only available in the preview opening mode.*

- 2) Right click the channel in device area or group area and a pull-down menu will pop up; refer to Fig 4-4(b):



Fig 4-4(b)

Open / Close: open / close the real-time preview of channel.

Start Record: Click "Start Record" to start the manual recording of channel, and the icon will change to , "Start Record" will change to "Stop Record", click "Stop Record" to stop the manual recording of channel.

Master / Sub Stream: set the channel to master stream or sub stream.

Note: *When the real-time preview of channel is not open, "Start Record", "Master Stream" and "Sub Stream" are invalid.*

- 3) Right click the device in device area or group area and a pull-down menu will pop up; refer to Fig 4-4(c):

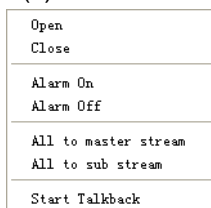



Fig 4-4(c)

Open / Close: open / close the real-time preview of all channels of the device.

Alarm On/Off: enable the function of obtain alarm information from the device. When enable this function, it will receive the alarm information and give prompts actively. Click Alarm Off to close this function.

All to master / sub stream: set all channels to master stream or sub stream.

Start Talkback: Click Start Talkback to open the two-way voice intercom, and the device icon will change to , "Start Talkback" will change to "Stop Talkback", click "Stop Talkback" to stop the two-way voice intercom.

4.2.5 PTZ Control

User can control PTZ via PTZ control panel.

1) PTZ

user can control the PTZ rotates up, up left, left , left down, down, right down, right, up right and stop rotating; the slide bar is used to change PTZ speed; adjust the focal largen/decrease, back/front focus and aperture zoom/narrow of the dome; shown in Figure 4-5.



Fig 4-5 PTZ control

Click “Start Saving Track” button to record the move track of PTZ and click this button again can stop record; click “Start Track” button to play recorded track and click this button again can stop play; click “Start Auto Scanning” button to start auto scan, and click this button again can stop scan.

Note: PTZ control is effective only for PTZ devices and users who have PTZ control privileges, otherwise PTZ buttons are invalid.

2) Preset

Click "Preset" tab of PTZ control panel, it supports 128 PTZ preset points; refer to Fig 4-6:

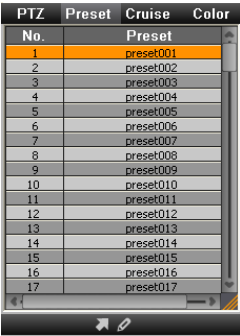



Fig 4-6 PTZ preset

Select a preset point, click Run  button, the PTZ run the preset

operation.

Click Modify  button to enter Setup Preset dialog box, set preset points in the list, as shown below:

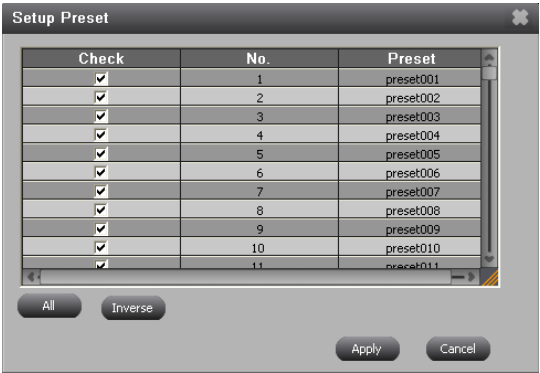


Fig 4-7

3) Cruise

Click “Cruise” tab of PTZ control panel, it supports 8 auto cruise tracks; refer to Fig 4-8:

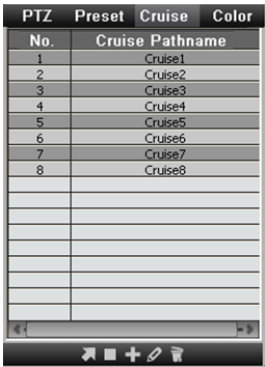


Fig 4-8 PTZ cruise

- a) Select a cruise line and click Run  button, the PTZ run the cruise operation, click Stop  button to stop the PTZ cruising action.
- b) Click Add  button to enter Setup Cruise dialog box, as shown below:

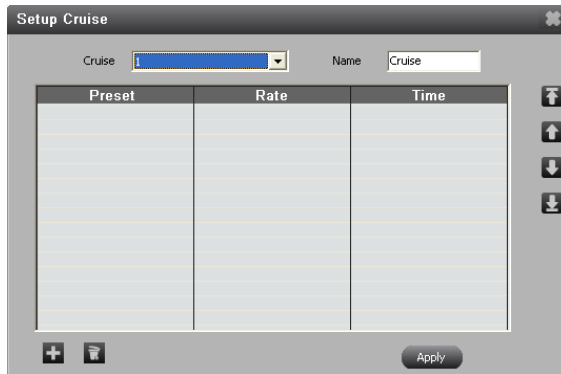


Fig 4-9

User can set the number and name of the cruise line. Click Add⁺ button to set the speed rate and time of preset point in Add to Cruise window, as shown on the right. Then click OK button to add this preset point to the cruise, or click Cancel button to cancel adding.

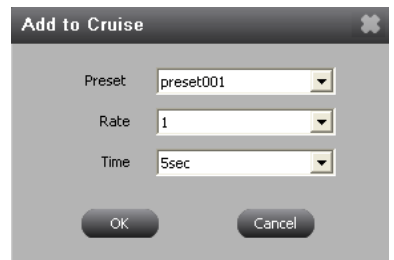


Fig 4-10

Select a preset point and click Delete^{trash} button to delete that preset point. User can click^{up} ^{down} ^{up} ^{down} button to adjust the position of preset point.

Click “Apply” button to save the setting; click^{exit} button to exit current interface. As shown below:

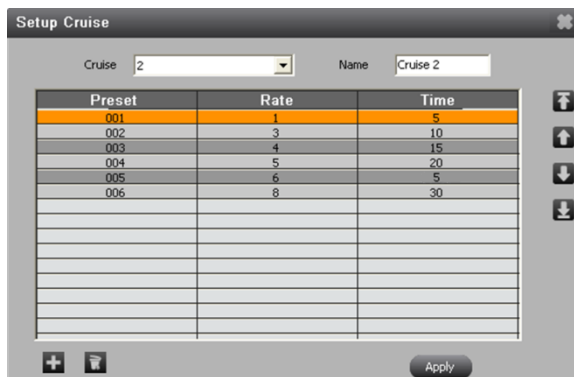




Fig 4-11

- c) Select a cruise line, then click Modify  button to modify the settings of the cruise line.
- d) Select a cruise line, then click Delete  button to delete this cruise line.

4.2.6 Color Adjustment

Click “Color” tab of PTZ control panel, user can drag the slide bar to adjust the parameters of active window, including brightness, hue, saturation and contrast.

Click default  button to resort the default value; click save  button save the adjustment. Refer to Fig 4-12:

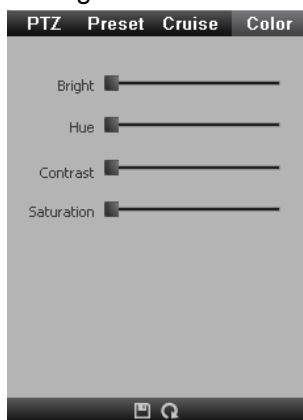


Fig 4-12 Color adjustment

4.3 Video Search

Click “Video Search” button in menu bar to enter the search mode. Video search includes four submenus: Time Search, File Manage, Event Search and Data Backup.

Note: User can only search for channels on a device once. When users search for other devices, the users need to clear the selected state of the previous search channels.

4.3.1 Time Search

Step1: enter into “Video Search” → Time Search.

Step2: select the device and channel in device area.

Step3: select a date. The date shown in yellow in the calendar means have record data.

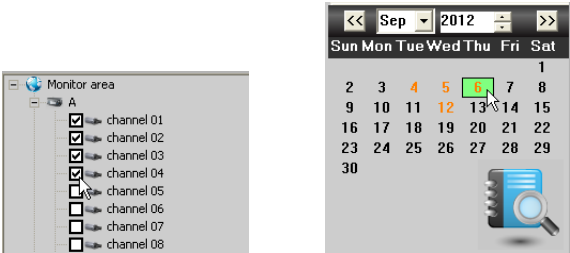


Fig 4-13


Step4: press Search  button, the searched record information will be displayed in the timeline panel; refer to Fig 4-14:



Fig 4-14 time search

Step5: Place the mouse to video bar, it will display the time of video below the cursor, double-click the time to set the playback time, "Start Time" shows the selected playback start time.

Note: The vertical column means hours, the horizontal column means channels.

Step6: click Play  button to playback record from the selected time.



Fig 4-15 Playback

Step7: right-click the playback window to pop-up a submenu, user can open audio and full screen display; double-click the playback window to amplify the image; click the relevant buttons on the screen to do operation:

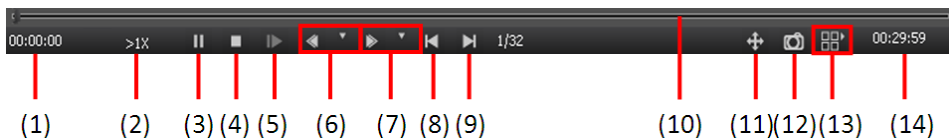


Fig 4-16 Playback toolbar

- (1) Start time;
- (2) The prompt of player progress;
- (3) play/pause;
- (4) Stop;
- (5) Next frame;
- (6) Rewind; click ▼ to pop-up the selection box of rewind progress
- (7) Fast forward; click ▼ to pop-up the selection box of fast forward progress
- (8) Last segment of record;
- (9) Next segment of record;
- (10) Play process;

- (11) Full screen; click this button to full screen display the playback panel, double-click to restore
- (12) Snap;
- (13) Split screen mode;
- (14) End Time;

4.3.2 File Manage

- Step1:** enter into “Video Search” → File Manage.
- Step2:** select the device and channel in device area.
- Step3:** select a date. The date shown in yellow in the calendar means have record data.

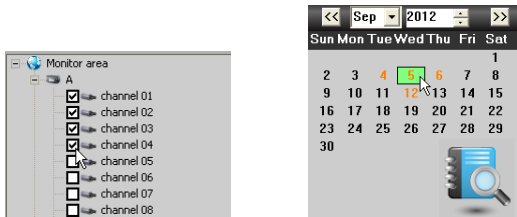



Fig 4-17

- Step4:** press Search  button, the searched file information will be displayed in the file list box; refer to Fig 4-18:

<div>Monitor area</div> <div>A<ul style="list-style-type: none">channel 01<input checked="" type="checkbox"/> channel 02<input checked="" type="checkbox"/> channel 03<input checked="" type="checkbox"/> channel 04channel 05channel 06channel 07channel 08channel 09channel 10channel 11channel 12channel 13channel 14channel 15channel 16</div> <div><div><< Sep 2012 >></div><div>Sun Mon Tue Wed Thu Fri Sat</div><div>123456789101112131415161718192021222324252627282930</div><div></div></div>	Check	Channel	Start Time	End Time	Status
	<input type="checkbox"/>	1	2012-09-05 23:42:33	2012-09-06 00:04:49	
	<input type="checkbox"/>	1	2012-09-05 23:20:17	2012-09-05 23:42:33	
	<input type="checkbox"/>	1	2012-09-05 22:57:53	2012-09-05 23:20:17	
	<input type="checkbox"/>	1	2012-09-05 22:35:29	2012-09-05 22:57:53	
	<input type="checkbox"/>	1	2012-09-05 21:50:53	2012-09-05 22:35:29	
	<input type="checkbox"/>	1	2012-09-05 21:28:41	2012-09-05 21:50:53	
	<input type="checkbox"/>	1	2012-09-05 21:06:29	2012-09-05 21:28:41	
	<input type="checkbox"/>	1	2012-09-05 20:44:17	2012-09-05 21:06:29	
	<input type="checkbox"/>	1	2012-09-05 20:22:05	2012-09-05 20:44:17	
	<input type="checkbox"/>	1	2012-09-05 19:59:53	2012-09-05 20:22:05	
	<input type="checkbox"/>	1	2012-09-05 19:37:41	2012-09-05 19:59:53	
	<input type="checkbox"/>	1	2012-09-05 19:15:29	2012-09-05 19:37:41	
	<input type="checkbox"/>	1	2012-09-05 18:53:13	2012-09-05 19:15:29	
	<input type="checkbox"/>	1	2012-09-05 18:30:53	2012-09-05 18:53:13	
	<input type="checkbox"/>	1	2012-09-05 18:06:05	2012-09-05 18:30:53	
	<input type="checkbox"/>	1	2012-09-05 17:29:32	2012-09-05 18:06:04	
	<input type="checkbox"/>	1	2012-09-05 16:58:56	2012-09-05 17:29:32	
	<input type="checkbox"/>	1	2012-09-05 16:57:02	2012-09-05 16:57:40	
	<input type="checkbox"/>	1	2012-09-05 16:49:17	2012-09-05 16:51:25	
	<input type="checkbox"/>	1	2012-09-05 16:23:34	2012-09-05 16:49:17	
	<input type="checkbox"/>	1	2012-09-05 16:15:31	2012-09-05 16:21:39	
	<input type="checkbox"/>	1	2012-09-05 15:19:16	2012-09-05 16:14:14	
	<input type="checkbox"/>	1	2012-09-05 14:35:30	2012-09-05 15:11:09	
	<input type="checkbox"/>	1	2012-09-05 13:50:51	2012-09-05 14:35:30	
	<input type="checkbox"/>	1	2012-09-05 13:25:43	2012-09-05 13:50:50	
	<input type="checkbox"/>	1	2012-09-05 13:00:51	2012-09-05 13:25:43	
	<input type="checkbox"/>	1	2012-09-05 12:37:31	2012-09-05 13:00:51	
	<input type="checkbox"/>	1	2012-09-05 12:14:35	2012-09-05 12:37:31	
	<input type="checkbox"/>	1	2012-09-05 11:51:55	2012-09-05 12:14:35	
	<input type="checkbox"/>	1	2012-09-05 11:29:07	2012-09-05 11:51:55	
	<input type="checkbox"/>	1	2012-09-05 11:06:15	2012-09-05 11:29:07	
	<input type="checkbox"/>	1	2012-09-05 10:43:35	2012-09-05 11:06:15	
	<input type="checkbox"/>	1	2012-09-05 10:38:55	2012-09-05 10:41:47	
	<input type="checkbox"/>	1	2012-09-05 10:35:00	2012-09-05 10:35:24	

Fig 4-18 file manage

Step 5: select the file to do corresponding operations.

Lock: select a file and click Lock button, then click OK button in the pop-up message box to lock this file, after that, that file will not be deleted or covered.

Unlock: select a locked file and click Unlock button to unlock this file.

Delete: select an unlocked file and click Delete button, then click OK button in the pop-up message box to delete this file.

Step6: double click an item to playback.

Step7: click the relevant buttons on the screen to do operation. User can refer to Chapter 4.3.1 Time Search → Step7 for details.

4.3.3 Event Search

Step1: enter into “Video Search” → Event Search.

Step2: select the device and channel in device area.

Step3: select a date and event type. The date shown in yellow in the calendar means have record data; tick off Motion, Sensor or All accordingly.

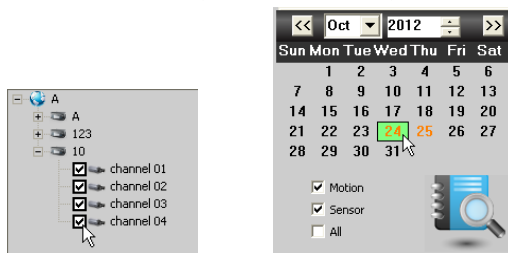


Fig 4-19


Step4: press Search  button, the searched event information will be displayed in the event list box; refer to Fig 4-20:



Fig 4-20 Event Search

Step5: double click a certain record file in the event list box to playback.

Step6: click the relevant buttons on the screen to do operation. User can refer to Chapter 4.3.1 Time Search → Step7 for details.

4.3.4 Data Backup

Step1: enter into “Video Search” → Data Backup to enter the Remote Backup interface.

Step2: select the device and channel in device area.

Step3: select a date. The date shown in yellow in the calendar means have record data.

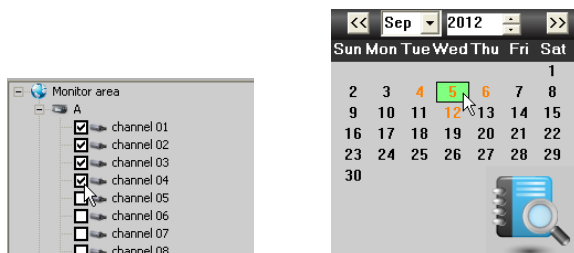

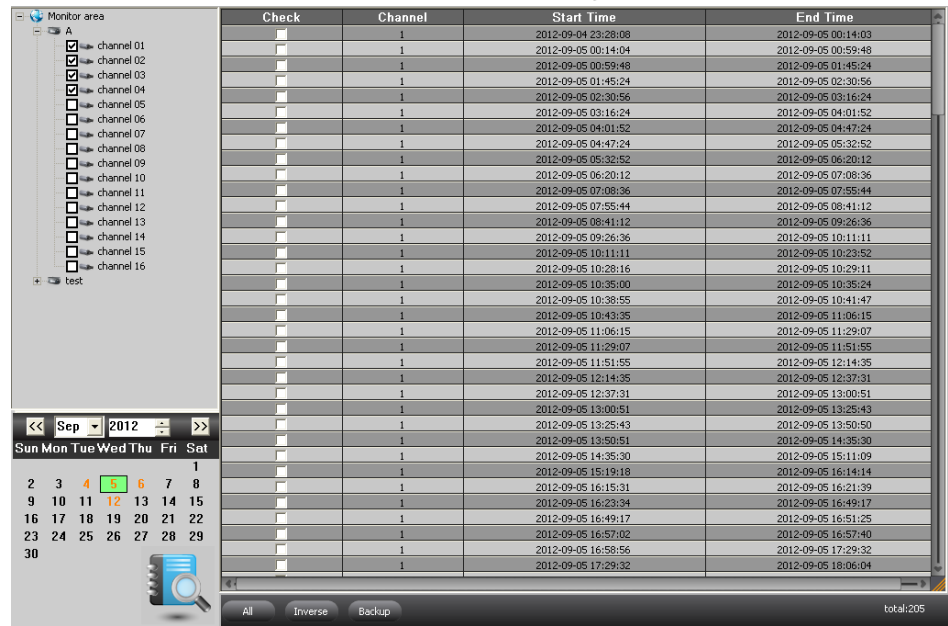


Fig 4-21

Step4: press Search  button, the searched event information will be

displayed in the data backup list box; refer to Fig 4-21:



The screenshot shows a software interface for data backup. On the left, there is a 'Monitor area' with a tree view of channels (channel 01 to channel 16) and a 'test' folder. Below this is a calendar for September 2012, with the 5th highlighted. At the bottom left is a search icon. The main area is a table with columns: Check, Channel, Start Time, and End Time. The table lists 205 entries, each with a checkbox, a channel number, and a timestamp. At the bottom, there are buttons for 'All', 'Inverse', and 'Backup', and a status bar showing 'total:205'.

Check	Channel	Start Time	End Time
<input type="checkbox"/>	1	2012-09-04 23:28:08	2012-09-05 00:14:03
<input type="checkbox"/>	1	2012-09-05 00:14:04	2012-09-05 00:59:48
<input type="checkbox"/>	1	2012-09-05 00:59:48	2012-09-05 01:45:24
<input type="checkbox"/>	1	2012-09-05 01:45:24	2012-09-05 02:30:56
<input type="checkbox"/>	1	2012-09-05 02:30:56	2012-09-05 03:16:24
<input type="checkbox"/>	1	2012-09-05 03:16:24	2012-09-05 04:01:52
<input type="checkbox"/>	1	2012-09-05 04:01:52	2012-09-05 04:47:24
<input type="checkbox"/>	1	2012-09-05 04:47:24	2012-09-05 05:32:52
<input type="checkbox"/>	1	2012-09-05 05:32:52	2012-09-05 06:20:12
<input type="checkbox"/>	1	2012-09-05 06:20:12	2012-09-05 07:08:36
<input type="checkbox"/>	1	2012-09-05 07:08:36	2012-09-05 07:55:44
<input type="checkbox"/>	1	2012-09-05 07:55:44	2012-09-05 08:41:12
<input type="checkbox"/>	1	2012-09-05 08:41:12	2012-09-05 09:26:36
<input type="checkbox"/>	1	2012-09-05 09:26:36	2012-09-05 10:11:11
<input type="checkbox"/>	1	2012-09-05 10:11:11	2012-09-05 10:23:52
<input type="checkbox"/>	1	2012-09-05 10:23:52	2012-09-05 10:29:11
<input type="checkbox"/>	1	2012-09-05 10:29:11	2012-09-05 10:35:24
<input type="checkbox"/>	1	2012-09-05 10:35:24	2012-09-05 10:41:47
<input type="checkbox"/>	1	2012-09-05 10:41:47	2012-09-05 11:06:15
<input type="checkbox"/>	1	2012-09-05 11:06:15	2012-09-05 11:29:07
<input type="checkbox"/>	1	2012-09-05 11:29:07	2012-09-05 11:51:55
<input type="checkbox"/>	1	2012-09-05 11:51:55	2012-09-05 12:14:35
<input type="checkbox"/>	1	2012-09-05 12:14:35	2012-09-05 12:37:31
<input type="checkbox"/>	1	2012-09-05 12:37:31	2012-09-05 13:00:51
<input type="checkbox"/>	1	2012-09-05 13:00:51	2012-09-05 13:25:43
<input type="checkbox"/>	1	2012-09-05 13:25:43	2012-09-05 13:50:50
<input type="checkbox"/>	1	2012-09-05 13:50:50	2012-09-05 14:35:30
<input type="checkbox"/>	1	2012-09-05 14:35:30	2012-09-05 15:11:09
<input type="checkbox"/>	1	2012-09-05 15:11:09	2012-09-05 15:19:18
<input type="checkbox"/>	1	2012-09-05 15:19:18	2012-09-05 16:15:31
<input type="checkbox"/>	1	2012-09-05 16:15:31	2012-09-05 16:21:39
<input type="checkbox"/>	1	2012-09-05 16:21:39	2012-09-05 16:23:34
<input type="checkbox"/>	1	2012-09-05 16:23:34	2012-09-05 16:49:17
<input type="checkbox"/>	1	2012-09-05 16:49:17	2012-09-05 16:51:25
<input type="checkbox"/>	1	2012-09-05 16:51:25	2012-09-05 16:57:02
<input type="checkbox"/>	1	2012-09-05 16:57:02	2012-09-05 16:57:40
<input type="checkbox"/>	1	2012-09-05 16:57:40	2012-09-05 17:29:32
<input type="checkbox"/>	1	2012-09-05 17:29:32	2012-09-05 18:06:04


Fig 4-22 data backup

Step5: select any data file or click “All” to select all data files, then click Backup button to backup, and a backup progress window will pop-up, press Cancel button to cancel the backup.

4.4 Log Search

Step1: click “Log Search” button in menu bar to enter the log search interface.

Step2: select the user, log type, and start & end time.

Step3: press Log Search  button, the searched log information will be displayed in the log list box; refer to Fig 4-23:

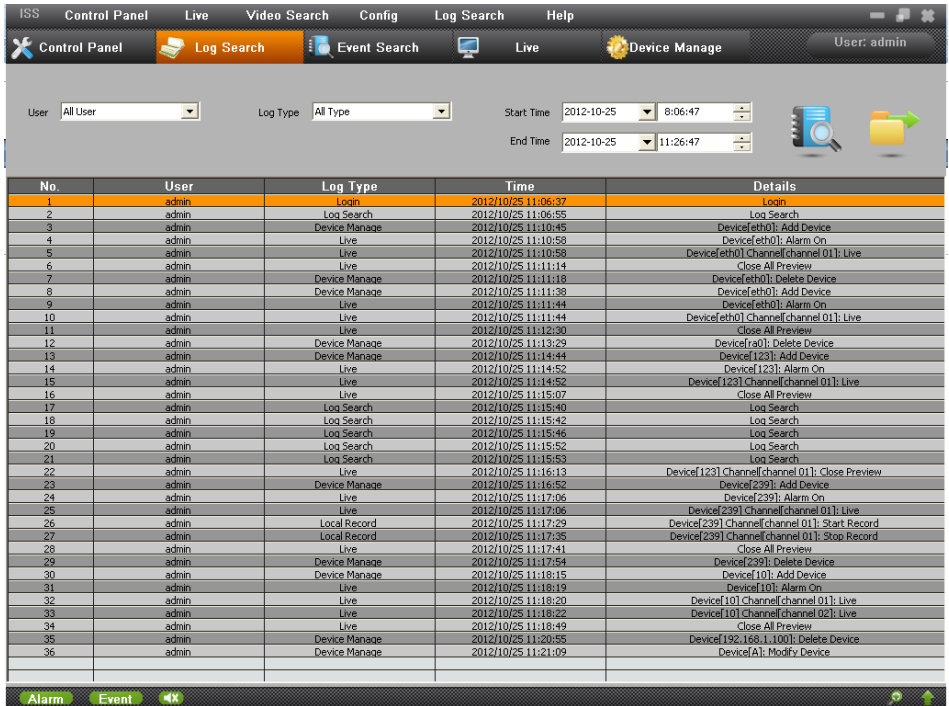



Fig 4-23 log search

Step3: click Export  button to open the Save As dialog box, select storage location of data exporting, click OK to start exporting data.

4.5 Help

4.5.1 User Manual

Enter into “Help” → User Manual to open the ISS electronic user manual, provide the convenient on-line help.

4.5.2 About

Enter into “Help” → About to pup-up About ISS interface; refer to Fig 4-24. The window displays the version of client software.

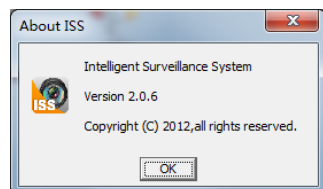


Fig 4-24 about ISS

Appendix A FAQ

1 Can't visit IP Camera and DVR via ISS (Intelligent Surveillance System) Software.

- ✧ Possible Reason: Network is disconnected.
Solution: Connect your PC to network, checking whether it works properly or not. Check whether there is cable failure and network failure caused by PC virus, until PCs can be connected with the command of Ping.
- ✧ Possible Reason: IP Address has been occupied by other devices.
Solution: Stop the connection between device and Network, hook up the device to PC separately, and reinstall IP address according to the proper operations recommended.
- ✧ Possible Reason: IP addresses are in different subnets.
Solution: Check IP address, subnet masking address of the device and check the settings of Gateway.
- ✧ Possible Reason: Web port has been modified.
Solution: Contact Netware Administrator to obtain the related information.
- ✧ Possible Reason: Unknown.
Solution: Restore the default settings and then connect it again.

2 The color of images is abnormal (green or other colors).

- ✧ Possible Reason: The settings of color adjustment are not properly.
Solution: Restore the default settings.

3 PTZ, Lens out of control.

- ✧ Possible Reason: Signal cable is not properly or correctly connected.
Solution: Reconnect the control cable that connects PTZ or dome camera to server.
- ✧ Possible Reason: Related decoder protocol, address or baud rate are not correctly.
Solution: Check whether the settings are correct.

4 An exception is started after reinstalling the software.

✧ Possible Reason: The previous version did not uninstall completely.

Solution: Select the installation path of previous version (the default path is C:\Program Files) and delete "config" and "LogFile" in ISS folder, then reinstall ISS. If you delete the ISS folder, the previous configuration information will also be deleted.

5 There is no sound while monitoring.

✧ Possible Reason: No audio input connection

Solution: Check audio connection of the host

✧ Possible Reason: the audio option of device is disabled

Solution: Check audio parameter settings to open the audio

6 Audio Effects is poor.

Solution: Audio input device need to match the DVR.

Appendix B Revision History

User manual (V1.1) is writing for the Intelligent Surveillance System V1.1.0.

V1.1 Modify Record

Item	Modification
1	"Help" add the User Manual option
2	Update some pictures
3	Add a FAQ
4	Modify a small amount of instructions

There may be technical inaccuracies, or typographical errors in the manual. The contents including description of products and program will be updated without prior notice.

